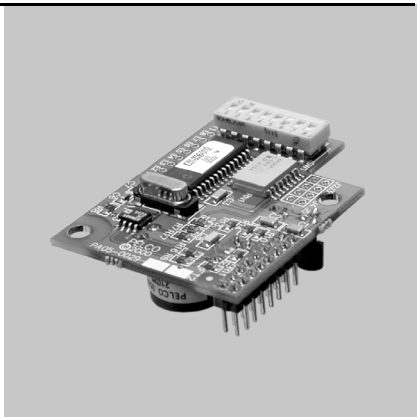
INSTALLATION/OPERATION

TXB-B
Translator Board



C2431M-I (4/07)

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Important Safety Instructions

1. Read these instructions.
2. Keep these instructions.
3. Heed all warnings.
4. Follow all instructions.
5. Only use attachments/accessories specified by the manufacturer.
6. Installation should be done only by qualified personnel and conform to all local codes.

Only use replacement parts recommended by Pelco.

The product and/or manual may bear the following marks:

This symbol indicates that dangerous voltage constituting a risk of electric shock is present within this unit.

This symbol indicates that there are important operating and maintenance instructions in the literature accompanying this unit.

CAUTION:
RISK OF ELECTRIC SHOCK.
DO NOT OPEN.

Important Notice

All companies make changes and improvements in their products on a regular basis. Because this product is interfacing with equipment not manufactured by Pelco, the possibility exists that the interface protocols have changed or are in a different configuration from earlier tested units; therefore, an incompatibility may occur. The existence of prior successful installations indicates our intent to provide equipment compatible with other manufacturers, but does not guarantee successful results without on-site integration testing.

Pelco recommends purchasing a single unit for bench testing before the purchase and installation of this product in quantity. Should any problems occur, Pelco will provide on-site technical support (North American installations only) to analyze the interface protocols of your system. We will typically schedule this visit within one week of when the problem is reported to Pelco Technical Support. Pelco will endeavor, at its expense, to correct the interface incompatibility within two weeks on a high priority basis. During these visits, the end user must agree to give Pelco reasonable access to the system in order to study and correct the protocol incompatibility.

In the unlikely event that Pelco is unable to make the translator work in the system, Pelco will accept the return of any Pelco products associated with the translator and refund the amounts paid for these products plus freight expenses. Because Pelco recommends a bench test prior to installation, Pelco will not be liable for any installation costs or lost revenues in the event it cannot solve the compatibility problem.

Regulatory Notices

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

RADIO AND TELEVISION INTERFERENCE

This equipment has been tested and found to comply with the limits of a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However there is no guarantee that the interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and the receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

You may also find helpful the following booklet, prepared by the FCC: "How to Identify and Resolve Radio-TV Interference Problems." This booklet is available from the U.S. Government Printing Office, Washington D.C. 20402.

Changes and modifications not expressly approved by the manufacturer or registrant of this equipment can void your authority to operate this equipment under Federal Communications Commission's rules.

This Class B digital apparatus complies with Canadian ICES-003.

Cet appareil numérique de la classe B est conforme à la norme NMB-003 du Canada.

Green The materials used in the manufacture of this document and its components are compliant to the requirements of Directive 2002/95/EC.

This equipment contains electrical or electronic components that must be recycled properly to comply with Directive 2002/96/EC of the European Union regarding the disposal of waste electrical and electronic equipment (WEEE). Contact your local dealer for procedures for recycling this equipment.

Description

The TXB-B translator board allows Bosch (Philips, Burle) controllers to communicate with Pelco's Esprit®, ExSite™, and Spectra® systems. Once installed the Spectra dome, Spectra Mini dome, ExSite, or Esprit system receives Manchester code commands from the Bosch (Philips, Burle) controller and converts the commands into Pelco's D protocol.

The TXB-B has been tested and shown to work with the following Bosch (Philips, Burle) systems:

- LTC 5136 AutoDome® Controller
- LTC 5138 Virtual Keyboard, Rev 1.01 (Allegiant® and AutoDome Systems)
- LTC 8300 Series (Allegiant System)
- LTC 8500 Fixed Speed Series (Allegiant System)
- LTC 8800 Variable Speed Series (Allegiant System)
- LTC 8850 Graphical User Interface (Allegiant System)

Based on the information published by Bosch (Philips, Burle), Pelco has reason to believe the TXB-B will also work with the following models:

- LTC 8600 Series (Allegiant System)
- LTC 8900 Series (Allegiant System)

Parts List

The following items are supplied:

1 TXB-B translator board (printed circuit board)

1 6-32 screw with lock washer (for Spectra III™/Spectra IV Series only)

1 4-40 screw with lock washer (unused)

Esprit Installation

To install the TXB-B translator board in an Esprit system (refer to Figure 1):

1. Turn off power to the Esprit system.
2. Remove the left cover from the pan and tilt.
3. Remove the shorting plug from the 16-pin connector on the Esprit system's circuit board.
4. Remove the nut and washer from the standoff on the Esprit system's circuit board.

NOTES:

- Discard the 6-32 and 4-40 screws and their lock washers; they are not used in the Esprit system.
- Save the 16-pin shorting plug. Otherwise, the Esprit cannot be converted back to a Pelco-controlled system.

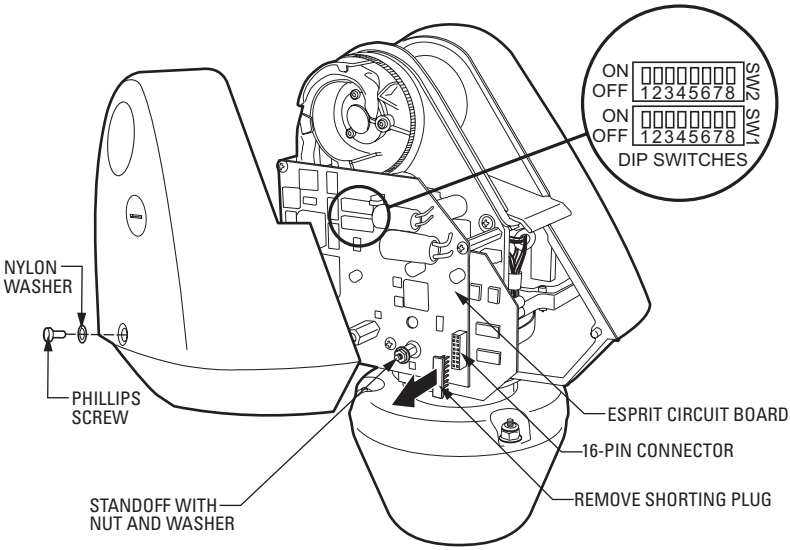

Figure 1. Esprit System

5. Set the J1 jumper on the TXB-B to the proper termination setting (refer to Figure 2). Note the following:
    - By default, the J1 jumper is installed in the terminated position.
    - All TXB-Bs in a daisy chain, except the last unit, must be unterminated.
    - The total wire distance from the Bosch (Philips, Burle) controller to the last TXB-B in a daisy chain must be less than 4,000 ft (1,219 m).
    - A maximum of 10 receivers can be installed on a single daisy chain.
    - To unterminate a TXB-B, remove the J1 jumper from the TXB-B and place it over one pin for storage.

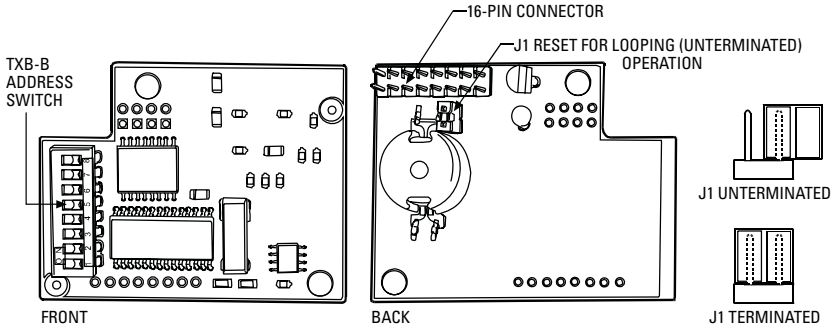

Figure 2. TXB-B Termination and DIP Switch

6. Set the address of the TXB-B (refer to Table C, Table D, and Table E in the *Appendix* beginning on page 25).
7. Install the TXB-B on the Esprit circuit board (refer to Figure 3):
   a. Insert the 16-pin connector on the bottom of the TXB-B into the mating 16-pin connector on the Esprit circuit board.
   b. Reinstall the nut and washer on the standoff to secure the TXB-B to the Esprit circuit board.

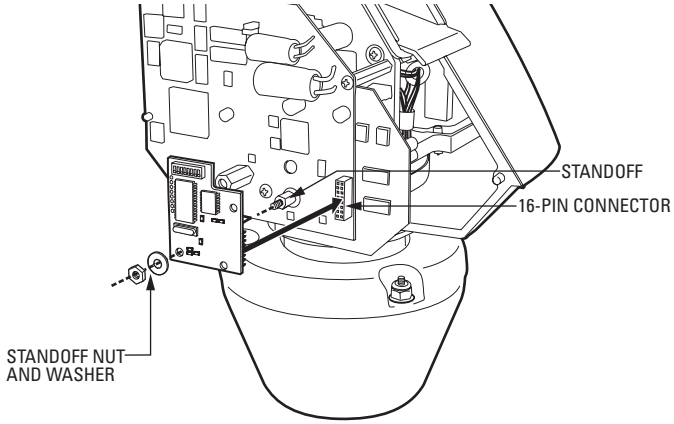

Figure 3. Installing the TXB-B into the Esprit

8. Set the DIP switches on the Esprit system (refer to Figure 1 for switch location):
   a. SW1: Set all SW1 switches to the OFF position.
   b. SW2: Set the Espirt address (refer to Table E on page 43 of the *Appendix* for switch settings).
9. Reinstall the left cover of the pan and tilt:

⚠ **WARNING:** Make sure you seal the unit. Otherwise, moisture could disable or damage the Esprit.

   a. Properly position the cover and slide it into place. The sides of the cover must fit under the front and back rain guards of the pan and tilt. The top of the cover must seat against the lip of the top gasket. (Refer to Figure 4.)

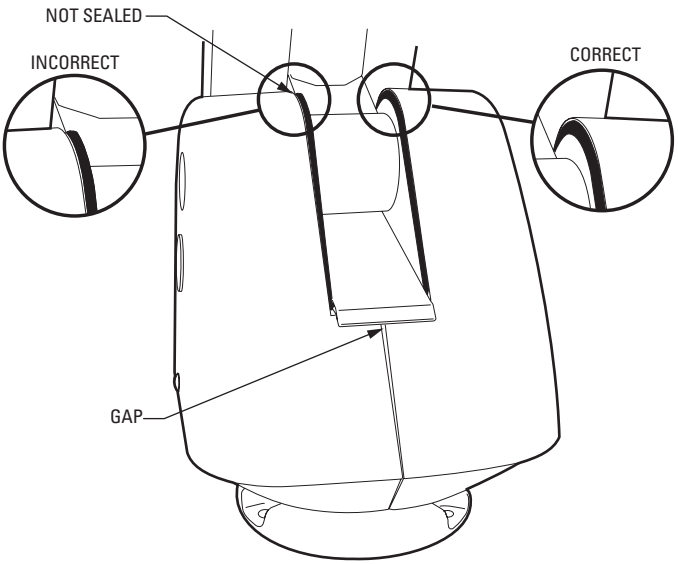

Figure 4. Installing the Esprit Cover

b. Apply pressure and push the top of the cover down to align the screw holes (refer to Figure 5).

c. Insert the Phillips screw and tighten. Tighten until the screw will not turn.

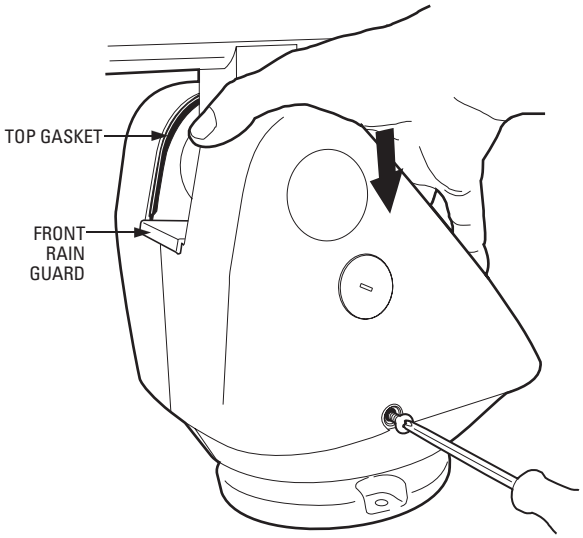

Figure 5. Installing the Esprit Cover

10. Remove the pan and tilt from the base of the Esprit system.

11. Check the control wiring inside the base of the unit. Refer to the Esprit documentation and the documentation supplied with your controller to make sure the wiring is correct.

Bosch (Philips, Burle) Controller	Esprit Wire Harness
-	RX- (Green)
+	RX+ (Red)

12. Reattach the pan and tilt onto the base of the unit.
13. Apply power to the system. The following message appears on the monitor as soon as the Esprit configuration cycle is completed:

    TXB-B Rev x.xx yy

    NOTE: x.xx represents the current firmware revision. yy represents the termination setting.

Spectra III/Spectra IV Installation

To install the TXB-B translator board in a Spectra III/Spectra IV Series:

1. Turn off power to the dome system.
2. Remove the lower dome.
3. Remove the dome drive by pressing in the blue and red tabs on the sides of the dome drive. Gently rock the dome drive to release it from the back box.
4. Set the J1 jumper on the TXB-B to the proper termination setting (refer to Figure 6). Note the following:
   - By default, the J1 jumper is installed in the terminated position.
   - All TXB-Bs in a daisy chain, except the last unit, must be unterminated.
   - The total wire distance from the Bosch (Philips, Burle) controller to the last TXB-B in a daisy chain must be less than 4,000 ft (1,219 m).
   - A maximum of 10 receivers can be installed on a single daisy chain.
   - To unterminate a TXB-B, remove the J1 jumper from the TXB-B and place it over one pin for storage.

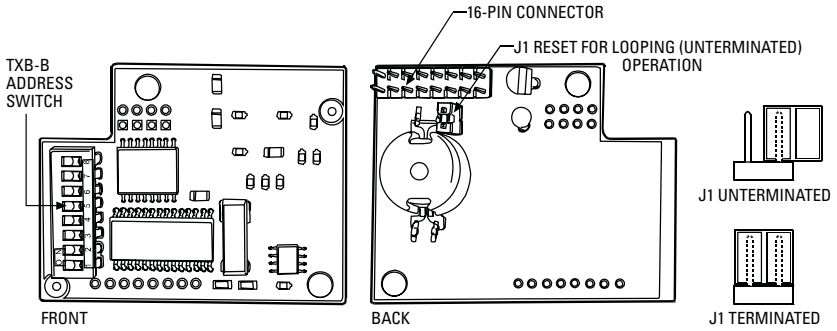

Figure 6. TXB-B Termination and DIP Switch

5. Set the address of the TXB-B (refer to Table C, Table D, and Table E in the *Appendix* beginning on page 26).

6. Install the TXB-B translator board into the back box:

   a. Open the hinged door to the back box. Push the tab lock towards the back box wall of the unit and open the door (refer to Figure 7).

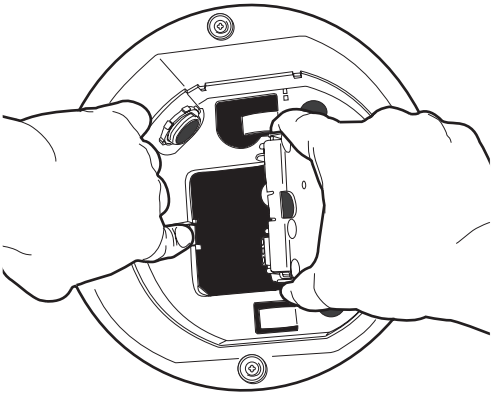

Figure 7. Spectra III/Spectra IV Back Box Interconnect Door

   b. Check the wiring to the controller. Refer to the Spectra III/Spectra IV documentation and the documentation supplied with your controller to make sure the wiring is correct.

Bosch (Philips, Burle) Controller	Spectra III/Spectra IV Four-Wire Terminal Block
-	RX-
+	RX+

   c. Remove the shorting plug from the 16-pin connector located on the back box circuit board (refer to Figure 8).

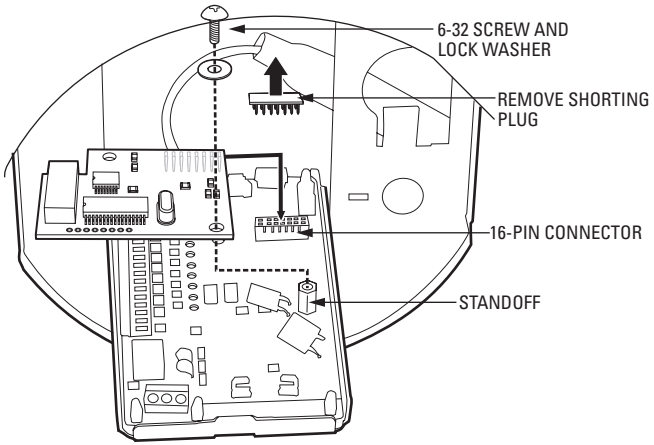

Figure 8. Spectra III/Spectra IV Back Box Circuit Board

NOTES:

- Discard the 4-40 screw and its lock washer; they are not used in the Spectra III/ Spectra IV system.
- Save the 16-pin shorting plug. Otherwise, the Spectra III/Spectra IV cannot be converted back to a Pelco-controlled system.

d. Insert the TXB-B board into the 16-pin connector located on the back box circuit board. Secure the translator board to the standoff on the circuit board using the supplied 6-32 screw and lock washer.

e. Close the interconnect door. Snap the tab lock into place.

7. Set the DIP switches on the Spectra III/Spectra IV system (refer to Figure 9 and Figure 10 for switch locations):

   a. Set the SW1 switches on the dome drive to assign the address (refer to Table E on page 43 of the *Appendix* for switch settings).

   b. For Spectra III systems, set all SW3 switches on the dome to the OFF position.
   For Spectra IV systems, set SW2-1 through SW2-8 to the OFF position.

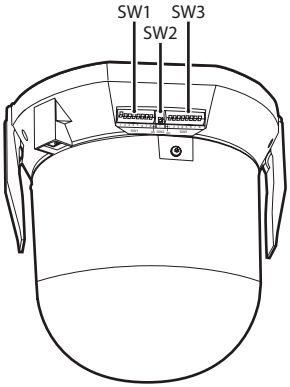

Figure 9. Spectra III Dome Drive DIP Switches

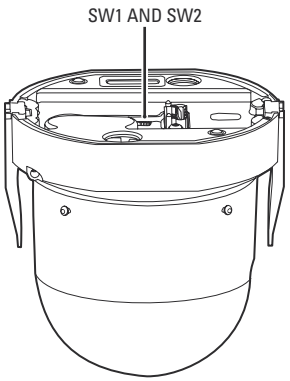

Figure 10. Spectra IV Dome Drive DIP Switches

8. Install the dome drive. Line up the blue (A) and red (B) tabs with the blue (A) and red (B) labels. When pushing the tabs in, insert one side, then the other. Continue pushing on the ends of the tabs until both tabs click into place. Refer to Figure 11.

   NOTE: Refer to the installation manual supplied with the Spectra III/Spectra IV dome for instructions on installing the back box, dome drive, and lower dome.

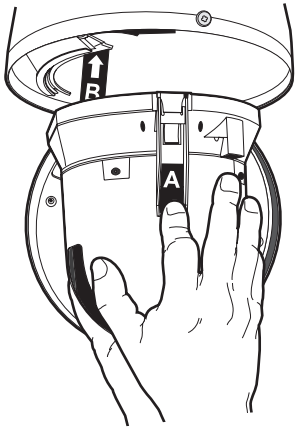

Figure 11. Spectra III/Spectra IV Dome Drive Installation

9. Install the lower dome.
10. Apply power to the system. The following message appears on the monitor as soon as the Spectra III/Spectra IV configuration cycle is completed:

    TXB-B Rev x.xx yy

    NOTE: x.xx represents the current firmware revision. yy represents the termination setting.

Spectra Mini Dome Installation

To install the TXB-B translator board in a Spectra Mini dome:

NOTE: Installing a TXB-B into a mini dome increases unit height. In surface mount installations, you must cut a hole in the surface to accommodate the TXB-B cover. For an installation template and more information, refer to the Spectra Mini Dome Installation manual.

1. Turn off power to the dome system.
2. If the Spectra Mini dome is already installed, remove it to access the top of the dome drive where the translator board will be installed.
3. Place the dome drive on a flat surface with the dome liner pointing up.
4. Set the DIP switches on the dome (refer to Figure 12 for switch location):

   NOTE: There are no SW1 switch settings on the Spectra Mini dome.

   a. Point the camera straight up.

   b. Using a flashlight, look through the viewing slot of the dome liner. Rotate the dome liner until you see two DIP switches in the bottom of the housing.

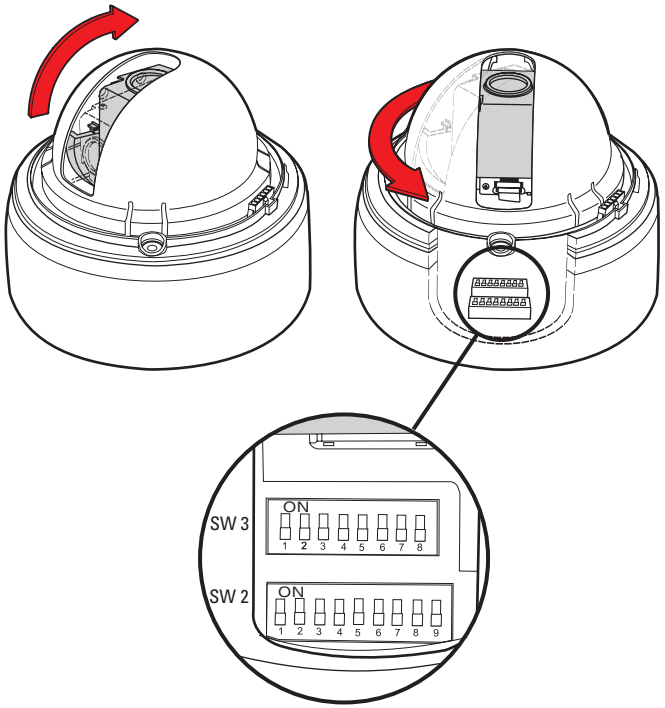

Figure 12. Locating the Spectra Mini Dome DIP Switches

   c. SW2: Set all switches to the OFF position.

   d. SW3: Set the Spectra Mini dome address (refer to Table E on page 43 of the *Appendix* for switch settings).

5. Set the J1 jumper on the TXB-B to the proper termination setting (refer to Figure 13). Note the following:
    - By default, the J1 jumper is installed in the terminated position.
    - All TXB-Bs in a daisy chain, except the last unit, must be unterminated.
    - The total wire distance from the Bosch (Philips, Burle) controller to the last TXB-B in a daisy chain must be less than 4,000 ft (1,219 m).
    - A maximum of 10 receivers can be installed on a single daisy chain.
    - To unterminate a TXB-B, remove the J1 jumper from the TXB-B and place it over one pin for storage.

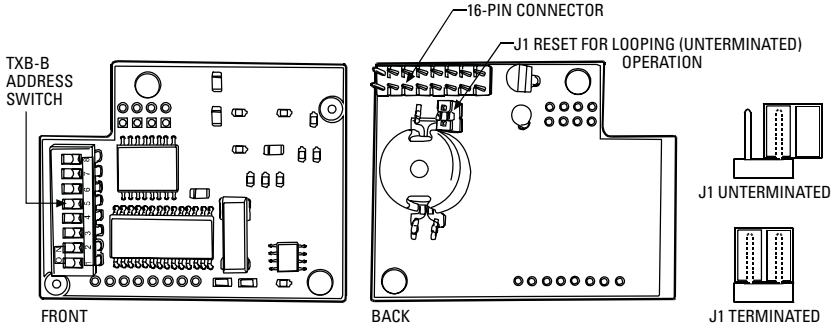

Figure 13. TXB-B Termination and DIP Switch

6. Set the address of the TXB-B (refer to Table C, Table D, and Table E in the *Appendix* beginning on page 26).
7. Install the TXB-B translator board (refer to Figure 14 and Figure 15 on page 15):
    a. Remove the cover from the top of the dome drive.
    b. Remove the shorting plug from the 16-pin connector located on the Spectra Mini dome circuit board.

    NOTES:

    - Discard the 6-32 and 4-40 screws and their lock washers; they are not used in the Spectra Mini dome.
    - Save the 16-pin shorting plug and the original cover from the Spectra Mini dome. Otherwise, the unit cannot be converted back to a Pelco-controlled system.

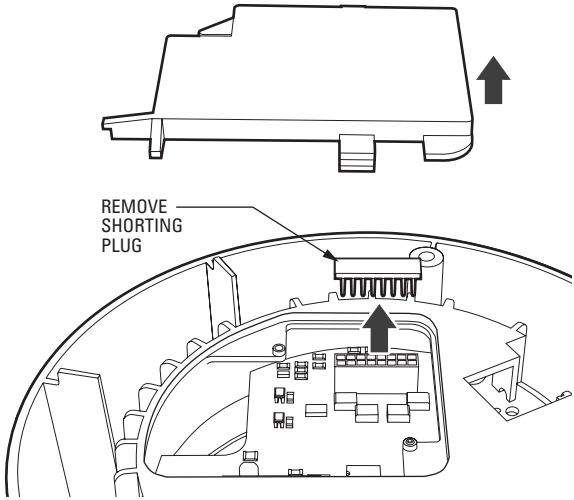

Figure 14. Removing the Mini Dome Cover and Shorting Plug

c. Insert the TXB-B translator board into the 16-pin connector on the Spectra Mini dome's circuit board.

d. Install the translator board cover that is supplied with the Spectra Mini dome.

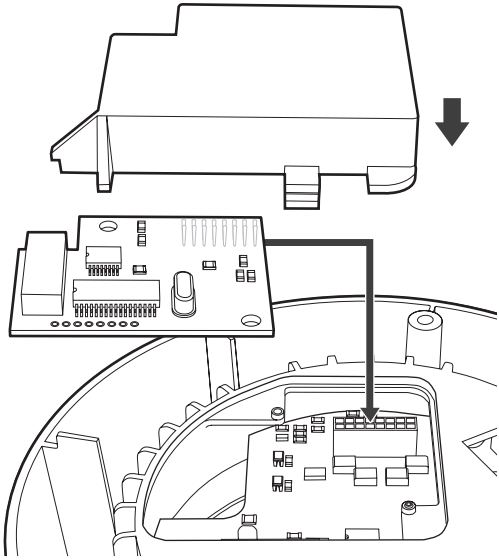

Figure 15. Installing the TXB-B and Mini Dome Cover

8. Check the wiring to the controller. Refer to the Spectra Mini dome documentation and the documentation supplied with your controller to make sure the wiring is correct.

Bosch (Philips, Burle) Controller	Spectra Mini Dome RJ45-10 Connector
-	Pin 4 (RX-)
+	Pin 3 (RX+)

9. Refer to the installation manual for the Spectra Mini dome to complete the installation.
10. Apply power to the system. The following message appears on the monitor as soon as the Spectra Mini dome configuration cycle is completed:

    TXB-B Rev x.xx yy

    NOTE: x.xx represents the current firmware revision. yy represents the termination setting.

ExSite Installation

To install the TXB-B translator board in an ExSite unit:

WARNING: To reduce the risk of ignition of hazardous atmospheres, disconnect the equipment from the supply circuit before opening.

1. Turn off the power to the ExSite.

   WARNING: Total weight of the pan and tilt component is 55 lb (25 kg). Use caution when lifting and assembling the pan and tilt component on the power module. It is recommended that nonslip gloves be worn during installation or removal.

2. Remove the pan and tilt unit from the power module (refer to Figure 16 and Figure 17):
   a. Loosen the setscrew in the locking ring with a 2 mm Allen wrench.
   b. Loosen the locking ring with a spanner wrench (Pelco part #MF00-1251-121A).
   c. Carefully unscrew the locking ring and remove the pan and tilt unit from the power module.

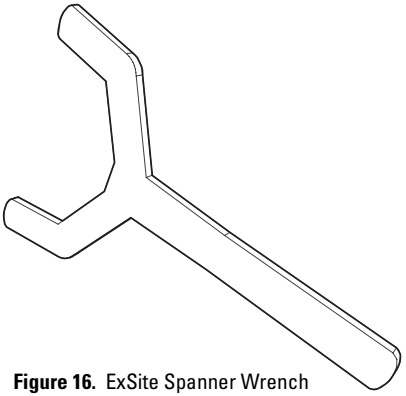

Figure 16. ExSite Spanner Wrench

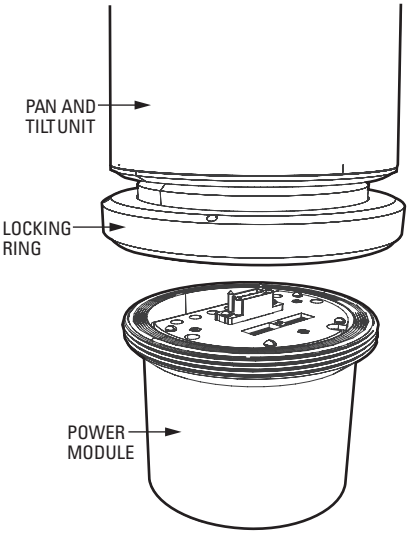

Figure 17. Removing the ExSite Pan and Tilt Unit

3. Set the J1 jumper on the TXB-B to the proper termination setting (refer to Figure 18). Note the following:
   - By default, the J1 jumper is installed in the terminated position.
   - All TXB-Bs in a daisy chain, except the last unit, must be unterminated.
   - The total wire distance from the Bosch (Philips, Burle) controller to the last TXB-B in a daisy chain must be less than 4,000 ft (1,219 m).
   - A maximum of 10 receivers can be installed on a single daisy chain.
   - To unterminate a TXB-B, remove the J1 jumper from the TXB-B and place it over one pin for storage.

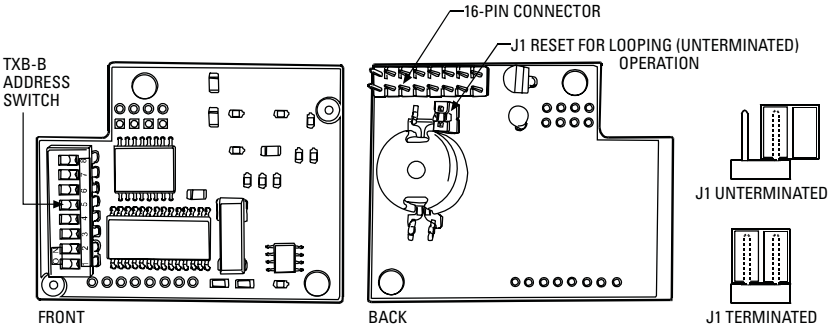

Figure 18. TXB-B Termination and DIP Switch

4. Set the address of the TXB-B (refer to Table C, Table D, and Table E in the *Appendix* begining on page 26).
5. Install the TXB-B board on the power module (refer to Figure 19):
   a. Remove the shorting plug from the 16-pin connector located on the ExSite's circuit board.

      NOTES:

      - Discard the 6-32 and 4-40 screws and their lock washers; they are not used in the ExSite.
      - Save the 16-pin shorting plug. Otherwise, the ExSite cannot be converted back to a Pelco-controlled system.

   b. Insert the TXB-B board into the 16-pin connector located on the ExSite system's circuit board. Confirm that the TXB-B board is fully seated into the 16-pin connector.

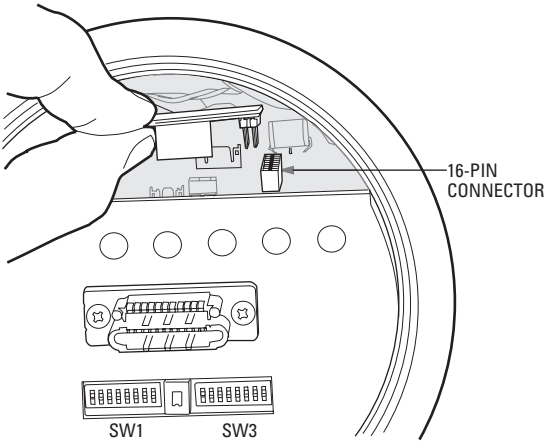

Figure 19. Installing the TXB-B into the ExSite

6. Check the wiring to the controller. Refer to the ExSite documentation and the documentation supplied with your controller to make sure the wiring is correct.

Bosch (Philips, Burle) Controller	ExSite Wire Harness
+	RX+ (Red)
-	RX- (Green)

7. Set the DIP switches on the ExSite system (refer to Figure 19 for switch location):
   a. SW3: Verify that all SW3 switches on the ExSite power module are set to the OFF position.
   b. SW1: Set the ExSite address (refer to Table E on page 43 of the *Appendix* for switch settings).
8. Attach the pan and tilt unit to the power module (refer to Figure 16 and Figure 17 on page 17):
   a. Align the pan and tilt unit with the power module. Carefully begin to hand tighten the locking ring onto the threads of the power module.
   b. Continue to tighten the locking ring with a spanner wrench.
   c. Tighten the setscrew in the locking ring with a 2 mm Allen wrench.

   NOTE: Refer to the installation manual supplied with the ExSite system for instructions on attaching the pan and tilt unit to the power module.
9. Apply power to the system. The following message appears on the monitor as soon as the ExSite configuration cycle is completed:

   TXB-B Rev x.xx yy

   NOTE: x.xx represents the current firmware revision. yy represents the termination setting.

Operation

Use one of the following commands to access the on-screen, programmable camera menus with the Philips (Burle) controller: **ON 45 Enter** or **SET 95 Enter**

CONTROLLER COMMANDS AND SYSTEM RESPONSE

The following tables show how the TXB-B board and the Pelco unit respond to the Bosch (Philips, Burle) keyboard commands.

Refer to the documentation supplied with the Bosch (Philips, Burle) controller and the Pelco system for operating instructions.

Table A. Controller Commands and System Response

Bosch (Philips, Burle) Controller Commands	Pelco Unit Action	Pelco Controller Commands
Pan, tilt, zoom, focus, and iris functions	Moves unit accordingly	Pan, tilt, zoom, focus, and iris functions
Set 1-64 Enter	Saves camera position as preset 1-64	Set preset 1-64
Shot 1-64 Enter	Moves camera to preset position 1-64	Call preset 1-64
ON/OFF 5-6 Enter	Activates/deactivates auxiliaries 1-2	Auxiliaries 1-2 on/off
Set 95 Enter or ON 45 Enter	Display program menu**	Call preset 95

Table B. Special Functions

ON 1 Enter	Activates auto pan	Call preset 97
OFF 1 Enter	Stop scan	Call preset 96
ON 2 Enter	Random scan	Call preset 99
OFF 2 Enter	Stops auto pan	Call preset 96
ON/OFF 3 Enter	No action**	
ON/OFF 4 Enter	No action**	
ON/OFF 8 Enter	No action	
ON/OFF 9 Enter	No action**	
ON 10 Enter	No action**	
OFF 10 Enter	No action**	
ON 11 Enter	Set fixed speed 3.8°/sec	
OFF 11 Enter	Acknowledge alarm	
ON 12 Enter	Set fixed speed 6°/sec	
OFF 12 Enter	Acknowledge alarm	
ON 13 Enter	Set fixed speed 9.6°/sec	
OFF 13 Enter	Acknowledge alarm	
ON 14 Enter	Set fixed speed 15.2°/sec	
OFF 14 Enter	Acknowledge alarm	
ON 15 Enter	Set fixed speed 20°/sec	
OFF 15 Enter	Acknowledge alarm	
ON 16 Enter	Set fixed speed 29°/sec	
OFF 16 Enter	Acknowledge alarm	

Table B. Special Functions *(Continued)*

ON 17 Enter	Set fixed speed 46°/sec	
OFF 17 Enter	Acknowledge alarm	
ON 18 Enter	Set fixed speed 60.1°/sec	
OFF 18 Enter	No action**	
ON/OFF 20 Enter	No action**	
ON/OFF 21 Enter	Set zone 1 start/end	
ON/OFF 22 Enter	Set zone 2 start/end	
ON/OFF 23 Enter	Set zone 3 start/end	
ON/OFF 24 Enter	Set zone 4 start/end	
ON/OFF 25 Enter	Set zone 5 start/end	
ON/OFF 26 Enter	Set zone 6 start/end	
ON/OFF 27 Enter	Set zone 7 start/end	
ON/OFF 28 Enter	Set zone 8 start/end	
ON/OFF 30 Enter	No action**	
ON/OFF 31 Enter	No action	
ON/OFF 32 Enter	No action	
ON/OFF 33 Enter	No action	
ON/OFF 34 Enter	No action	
ON 35 Enter	No action	
OFF 35 Enter	No action	
ON 39 Enter	IR filter, insert	Call preset 88
OFF 39 Enter	IR filter, remove	Call preset 89
ON 40 Enter	Manual left limit stop	
ON 41 Enter	Manual right limit stop	
OFF 41 Enter	No action**	
ON 42 Enter	Scan left limit stop	
OFF 42 Enter	No action**	
ON 43 Enter	Scan right limit stop	
OFF 43 Enter	No action**	
ON 44 Enter	Move to factory home	
OFF 44 Enter	Recalibrate camera	
ON 45 Enter	Display program menu**	Call preset 95
OFF 45 Enter	No action	
ON/OFF 46 Enter	Stop a scan	Call preset 96
ON 47 Enter	Random scan	Call preset 97
ON 48 Enter	Frame scan	Call preset 98
ON 49 Enter	Auto scan	Call preset 99
ON 50 Enter	Runs long pattern	Call long pattern
OFF 50 Enter	Stops pattern	Stop long pattern
ON/OFF 51 Enter	Run/stop pattern 1	Call pattern 1
ON/OFF 52 Enter	Run/stop pattern 2	Call pattern 2
ON/OFF 53 Enter	Program long pattern	Set long pattern

Table B. Special Functions *(Continued)*

ON/OFF 54 Enter	Program short pattern 1	Set pattern 1
ON/OFF 55 Enter	Program short pattern 2	Set pattern 2
ON 56 Enter	Camera flips 180 degrees	Call preset 33
ON/OFF 60 Enter	Enable/Disable zone scan	
ON/OFF 61 Enter	No action	
ON 62 Enter	No action	
ON/OFF 63 Enter	No action	
ON 66 Enter	Software version	Displayed on power-up
Shot 88	Insert IR filter*	Call preset 88
Shot 89	Remove IR filter*	Call preset 89
Set 90	Manual left limit stop	Set preset 90
ON/OFF 91 Enter	No action	
ON/OFF 92 Enter	No action	
ON/OFF 93 Enter	No action	
Set 95 Enter	Enable menu mode	Preset 95
Shot 96 Enter	Stop scan	Preset 96
Shot 97 Enter	Activate random scan	Preset 97
Shot 98 Enter	Activate frame scan	Preset 98
Shot 99 Enter	Activate continuous scan	Preset 99
ON 100 Enter	No action**	
OFF 100 Enter	No action**	
Set 101 Enter	Left limit stop	Call preset 90
Set 102 Enter	Right limit stop	Call preset 91
Set 103 Enter	No action	
Set 104 Enter	No action	
Set 110 Enter	Recalibrate camera	
Shot 110 Enter	Move to factory home	Call preset 1
Shot 111 Enter	Camera flips 180 degrees	Call preset 33
Shot 180 Enter	Camera flips 180 degrees	Call preset 33

*Spectra SD53CBW family, Spectra SD435 family, Esprit ES30CBW18 family, Esprit ES31CBW18 family, ExSite IPSXM30CBW family, ExSite IPSXM31CBW family, ExSite EHXM30CBW family, and ExSite EHXM31CBW family.

**Pelco systems feature programmable, on-screen, user-friendly menus. Refer to the operation/programming manual supplied with the Pelco system for programming instructions.

TXB-B ZONE PROGRAMMING PROCEDURE

A zone is a pan area, defined by a left and right limit, on the 360-degree pan plane. To program a zone with a Bosch (Philips, Burle) controller, refer to the manual supplied with the controller and perform the following:

Step	Procedure
1. Enter zone programming.	Issue the enable zone scan command (ON 60 Enter) to display the zone labels.
2. Set left zone limit.	Position the Pelco unit at the left limit of the zone. Issue the zone start command (ON 2# Enter) for the zone being programmed; # is a number between 1 and 8 that represents zones 1 through 8.
3. Set right zone limit.	Position the Pelco unit at the right limit of the zone. Issue the zone end command (OFF 2# Enter) for the zone being programmed; # is a number between 1 and 8 that represents zones 1 through 8.
4. Enable the zone label display.	Issue the enable zone scan command (ON 60 Enter) to display the zone labels.

IMPORTANT (Spectra and ExSite systems only): After programming a zone, always enable the zone through the Pelco unit programming menu. Refer to the operation/programming manual supplied with the Pelco system.

Troubleshooting

Symptom	Possible Cause	Suggested Remedy
Video does not appear on screen.	Power is not connected to the Pelco unit.	Check the power connector.
	Video cable is not connected to the Pelco unit.	Check the video connector.
	Translator board is not inserted properly.	Reinstall the translator board. Make sure the pins on the board are inserted correctly.
Pelco unit information (model, firmware, Pelco P and D addresses, and communication settings) does not appear after the configuration cycle.	The Pelco unit cannot complete its configuration cycle.	Refer to the troubleshooting section of the product manual for the Pelco unit.
The message "TXB-B REV x.xx yy" does not appear.	The baud rate setting on the Pelco unit is not correct. The setting appears on power-up.	Make sure the baud rate setting on the Pelco unit is 2400. Then cycle device power.
The Pelco unit does not respond to commands.	The unit address is not correct.	Make sure the Pelco unit (receiver) address is correct. This address can range from 1 to 255.
		Make sure the controller is addressing the correct Pelco unit.
	The receiving and transmitting lines are not connected properly.	Make sure the TX+, TX-, RX+, and RX- lines are properly connected. (Refer to the wiring tables in this manual as well as the troubleshooting section of the product manual for the controller.)
	The command was lost between the controller and the Pelco unit.	Retry the command.

Appendix

Perform the following steps to find and set the addresses for the TXB-B board and the Pelco unit.

1. Refer to Table C on page 26 to find the TXB-B address (block number). Select the block range that contains the receiver address. The block number for the block range is the address for the TXB-B translator board.

   Example: To find the TXB-B address when the receiver address is 131:

   a. Find the block range for 131 in Table C. This value is between 129 (low) and 255 (high).

   b. The block number for the 129 to 255 range is 1. Therefore, the address for the TXB-B translator board is 1.

2. Refer to Table D on page 27 to find the Pelco unit address. Select the column that corresponds to the TXB-B address. Locate the row in the column that contains the receiver address. The row number is the unit address.

   Example: To find the Pelco unit address when the receiver address is 131:

   a. Use step 1 to determine the TXB-B address. In this case, the address is 1.

   b. Search for the receiver address in the column under 1 in Table D, in this case 131.

   c. The 131 address appears in row 3. Therefore, the Pelco unit address is 3.

3. Refer to Table E on page 43 to set the DIP switches for the TXB-B address and the Pelco unit address.

   Example: To find the address settings when the receiver address is 131:

   a. Use step 1 to determine the TXB-B address. In this case, the address is 1.

   b. Use step 2 to determine the Pelco unit address. In this case, the unit address is 3.

   c. Locate the row in Table E that corresponds to the Pelco unit address. In this case, row 4 corresponds to unit address 3.

   d. Identify the switch settings for the unit address. The switch settings for address 3 are: ON, ON, OFF, OFF, OFF, OFF, OFF, OFF.

   e. Set these switches on the Pelco unit.

NOTES:

- The TXB-B translator board uses the same address switch position settings as the Pelco unit.
- Receiver addresses that are divisible by 128 (such as 0, 128, 256, 384) are reserved and may not be used.

Table C. Controller Block Range

Block	Low	High
0	1	127
1	129	255
2	257	383
3	385	511
4	513	639
5	641	767
6	769	895
7	897	1,023
8	1,025	1,151
9	1,153	1,279
10	1,281	1,407
11	1,409	1,535
12	1,537	1,663
13	1,665	1,791
14	1,793	1,919
15	1,921	2,047
16	2,049	2,175
17	2,177	2,303
18	2,305	2,431
19	2,433	2,559
20	2,561	2,687

Block	Low	High
21	2,689	2,815
22	2,817	2,943
23	2,945	3,071
24	3,073	3,199
25	3,201	3,327
26	3,329	3,455
27	3,457	3,583
28	3,585	3,721
29	3,723	3,839
30	3,841	3,967
31	3,969	4,095
32	4,097	4,223
33	4,225	4,351
34	4,353	4,479
35	4,481	4,607
36	4,609	4,735
37	4,737	4,863
38	4,865	4,991
39	4,993	5,119
40	5,121	5,247

Table D. Pelco Unit Address

PELCO UNIT ADDRESS	TXB-B ADDRESS										
	0	**1**	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**
1	1	129	257	385	513	641	769	897	1025	1153	1281
2	2	130	258	386	514	642	770	898	1026	1154	1282
3	3	131	259	387	515	643	771	899	1027	1155	1283
4	4	132	260	388	516	644	772	900	1028	1156	1284
5	5	133	261	389	517	645	773	901	1029	1157	1285
6	6	134	262	390	518	646	774	902	1030	1158	1286
7	7	135	263	391	519	647	775	903	1031	1159	1287
8	8	136	264	392	520	648	776	904	1032	1160	1288
9	9	137	265	393	521	649	777	905	1033	1161	1289
10	10	138	266	394	522	650	778	906	1034	1162	1290
11	11	139	267	395	523	651	779	907	1035	1163	1291
12	12	140	268	396	524	652	780	908	1036	1164	1292
13	13	141	269	397	525	653	781	909	1037	1165	1293
14	14	142	270	398	526	654	782	910	1038	1166	1294
15	15	143	271	399	527	655	783	911	1039	1167	1295
16	16	144	272	400	528	656	784	912	1040	1168	1296
17	17	145	273	401	529	657	785	913	1041	1169	1297
18	18	146	274	402	530	658	786	914	1042	1170	1298
19	19	147	275	403	531	659	787	915	1043	1171	1299
20	20	148	276	404	532	660	788	916	1044	1172	1300
21	21	149	277	405	533	661	789	917	1045	1173	1301
22	22	150	278	406	534	662	790	918	1046	1174	1302
23	23	151	279	407	535	663	791	919	1047	1175	1303
24	24	152	280	408	536	664	792	920	1048	1176	1304
25	25	153	281	409	537	665	793	921	1049	1177	1305
26	26	154	282	410	538	666	794	922	1050	1178	1306
27	27	155	283	411	539	667	795	923	1051	1179	1307
28	28	156	284	412	540	668	796	924	1052	1180	1308
29	29	157	285	413	541	669	797	925	1053	1181	1309
30	30	158	286	414	542	670	798	926	1054	1182	1310
31	31	159	287	415	543	671	799	927	1055	1183	1311
32	32	160	288	416	544	672	800	928	1056	1184	1312
33	33	161	289	417	545	673	801	929	1057	1185	1313
34	34	162	290	418	546	674	802	930	1058	1186	1314
35	35	163	291	419	547	675	803	931	1059	1187	1315

Table D. Pelco Unit Address *(Continued)*

PELCO UNIT ADDRESS	TXB-B ADDRESS										
	0	**1**	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**
36	36	164	292	420	548	676	804	932	1060	1188	1316
37	37	165	293	421	549	677	805	933	1061	1189	1317
38	38	166	294	422	550	678	806	934	1062	1190	1318
39	39	167	295	423	551	679	807	935	1063	1191	1319
40	40	168	296	424	552	680	808	936	1064	1192	1320
41	41	169	297	425	553	681	809	937	1065	1193	1321
42	42	170	298	426	554	682	810	938	1066	1194	1322
43	43	171	299	427	555	683	811	939	1067	1195	1323
44	44	172	300	428	556	684	812	940	1068	1196	1324
45	45	173	301	429	557	685	813	941	1069	1197	1325
46	46	174	302	430	558	686	814	942	1070	1198	1326
47	47	175	303	431	559	687	815	943	1071	1199	1327
48	48	176	304	432	560	688	816	944	1072	1200	1328
49	49	177	305	433	561	689	817	945	1073	1201	1329
50	50	178	306	434	562	690	818	946	1074	1202	1330
51	51	179	307	435	563	691	819	947	1075	1203	1331
52	52	180	308	436	564	692	820	948	1076	1204	1332
53	53	181	309	437	565	693	821	949	1077	1205	1333
54	54	182	310	438	566	694	822	950	1078	1206	1334
55	55	183	311	439	567	695	823	951	1079	1207	1335
56	56	184	312	440	568	696	824	952	1080	1208	1336
57	57	185	313	441	569	697	825	953	1081	1209	1337
58	58	186	314	442	570	698	826	954	1082	1210	1338
59	59	187	315	443	571	699	827	955	1083	1211	1339
60	60	188	316	444	572	700	828	956	1084	1212	1340
61	61	189	317	445	573	701	829	957	1085	1213	1341
62	62	190	318	446	574	702	830	958	1086	1214	1342
63	63	191	319	447	575	703	831	959	1087	1215	1343
64	64	192	320	448	576	704	832	960	1088	1216	1344
65	65	193	321	449	577	705	833	961	1089	1217	1345
66	66	194	322	450	578	706	834	962	1090	1218	1346
67	67	195	323	451	579	707	835	963	1091	1219	1347
68	68	196	324	452	580	708	836	964	1092	1220	1348
69	69	197	325	453	581	709	837	965	1093	1221	1349
70	70	198	326	454	582	710	838	966	1094	1222	1350

Table D. Pelco Unit Address *(Continued)*

PELCO UNIT ADDRESS	TXB-B ADDRESS										
	0	**1**	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**
71	71	199	327	455	583	711	839	967	1095	1223	1351
72	72	200	328	456	584	712	840	968	1096	1224	1352
73	73	201	329	457	585	713	841	969	1097	1225	1353
74	74	202	330	458	586	714	842	970	1098	1226	1354
75	75	203	331	459	587	715	843	971	1099	1227	1355
76	76	204	332	460	588	716	844	972	1100	1228	1356
77	77	205	333	461	589	717	845	973	1101	1229	1357
78	78	206	334	462	590	718	846	974	1102	1230	1358
79	79	207	335	463	591	719	847	975	1103	1231	1359
80	80	208	336	464	592	720	848	976	1104	1232	1360
81	81	209	337	465	593	721	849	977	1105	1233	1361
82	82	210	338	466	594	722	850	978	1106	1234	1362
83	83	211	339	467	595	723	851	979	1107	1235	1363
84	84	212	340	468	596	724	852	980	1108	1236	1364
85	85	213	341	469	597	725	853	981	1109	1237	1365
86	86	214	342	470	598	726	854	982	1110	1238	1366
87	87	215	343	471	599	727	855	983	1111	1239	1367
88	88	216	344	472	600	728	856	984	1112	1240	1368
89	89	217	345	473	601	729	857	985	1113	1241	1369
90	90	218	346	474	602	730	858	986	1114	1242	1370
91	91	219	347	475	603	731	859	987	1115	1243	1371
92	92	220	348	476	604	732	860	988	1116	1244	1372
93	93	221	349	477	605	733	861	989	1117	1245	1373
94	94	222	350	478	606	734	862	990	1118	1246	1374
95	95	223	351	479	607	735	863	991	1119	1247	1375
96	96	224	352	480	608	736	864	992	1120	1248	1376
97	97	225	353	481	609	737	865	993	1121	1249	1377
98	98	226	354	482	610	738	866	994	1122	1250	1378
99	99	227	355	483	611	739	867	995	1123	1251	1379
100	100	228	356	484	612	740	868	996	1124	1252	1380
101	101	229	357	485	613	741	869	997	1125	1253	1381
102	102	230	358	486	614	742	870	998	1126	1254	1382
103	103	231	359	487	615	743	871	999	1127	1255	1383
104	104	232	360	488	616	744	872	1000	1128	1256	1384
105	105	233	361	489	617	745	873	1001	1129	1257	1385

Table D. Pelco Unit Address *(Continued)*

		TXB-B ADDRESS										
		0	**1**	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**
PELCO UNIT ADDRESS	**106**	106	234	362	490	618	746	874	1002	1130	1258	1386
	107	107	235	363	491	619	747	875	1003	1131	1259	1387
	108	108	236	364	492	620	748	876	1004	1132	1260	1388
	109	109	237	365	493	621	749	877	1005	1133	1261	1389
	110	110	238	366	494	622	750	878	1006	1134	1262	1390
	111	111	239	367	495	623	751	879	1007	1135	1263	1391
	112	112	240	368	496	624	752	880	1008	1136	1264	1392
	113	113	241	369	497	625	753	881	1009	1137	1265	1393
	114	114	242	370	498	626	754	882	1010	1138	1266	1394
	115	115	243	371	499	627	755	883	1011	1139	1267	1395
	116	116	244	372	500	628	756	884	1012	1140	1268	1396
	117	117	245	373	501	629	757	885	1013	1141	1269	1397
	118	118	246	374	502	630	758	886	1014	1142	1270	1398
	119	119	247	375	503	631	759	887	1015	1143	1271	1399
	120	120	248	376	504	632	760	888	1016	1144	1272	1400
	121	121	249	377	505	633	761	889	1017	1145	1273	1401
	122	122	250	378	506	634	762	890	1018	1146	1274	1402
	123	123	251	379	507	635	763	891	1019	1147	1275	1403
	124	124	252	380	508	636	764	892	1020	1148	1276	1404
	125	125	253	381	509	637	765	893	1021	1149	1277	1405
	126	126	254	382	510	638	766	894	1022	1150	1278	1406
	127	127	255	383	511	639	767	895	1023	1151	1279	1407

Table D. Pelco Unit Address *(Continued)*

PELCO UNIT ADDRESS	TXB-B ADDRESS									
	11	**12**	**13**	**14**	**15**	**16**	**17**	**18**	**19**	**20**
1	1409	1537	1665	1793	1921	2049	2177	2305	2433	2561
2	1410	1538	1666	1794	1922	2050	2178	2306	2434	2562
3	1411	1539	1667	1795	1923	2051	2179	2307	2435	2563
4	1412	1540	1668	1796	1924	2052	2180	2308	2436	2564
5	1413	1541	1669	1797	1925	2053	2181	2309	2437	2565
6	1414	1542	1670	1798	1926	2054	2182	2310	2438	2566
7	1415	1543	1671	1799	1927	2055	2183	2311	2439	2567
8	1416	1544	1672	1800	1928	2056	2184	2312	2440	2568
9	1417	1545	1673	1801	1929	2057	2185	2313	2441	2569
10	1418	1546	1674	1802	1930	2058	2186	2314	2442	2570
11	1419	1547	1675	1803	1931	2059	2187	2315	2443	2571
12	1420	1548	1676	1804	1932	2060	2188	2316	2444	2572
13	1421	1549	1677	1805	1933	2061	2189	2317	2445	2573
14	1422	1550	1678	1806	1934	2062	2190	2318	2446	2574
15	1423	1551	1679	1807	1935	2063	2191	2319	2447	2575
16	1424	1552	1680	1808	1936	2064	2192	2320	2448	2576
17	1425	1553	1681	1809	1937	2065	2193	2321	2449	2577
18	1426	1554	1682	1810	1938	2066	2194	2322	2450	2578
19	1427	1555	1683	1811	1939	2067	2195	2323	2451	2579
20	1428	1556	1684	1812	1940	2068	2196	2324	2452	2580
21	1429	1557	1685	1813	1941	2069	2197	2325	2453	2581
22	1430	1558	1686	1814	1942	2070	2198	2326	2454	2582
23	1431	1559	1687	1815	1943	2071	2199	2327	2455	2583
24	1432	1560	1688	1816	1944	2072	2200	2328	2456	2584
25	1433	1561	1689	1817	1945	2073	2201	2329	2457	2585
26	1434	1562	1690	1818	1946	2074	2202	2330	2458	2586
27	1435	1563	1691	1819	1947	2075	2203	2331	2459	2587
28	1436	1564	1692	1820	1948	2076	2204	2332	2460	2588
29	1437	1565	1693	1821	1949	2077	2205	2333	2461	2589
30	1438	1566	1694	1822	1950	2078	2206	2334	2462	2590
31	1439	1567	1695	1823	1951	2079	2207	2335	2463	2591
32	1440	1568	1696	1824	1952	2080	2208	2336	2464	2592
33	1441	1569	1697	1825	1953	2081	2209	2337	2465	2593
34	1442	1570	1698	1826	1954	2082	2210	2338	2466	2594
35	1443	1571	1699	1827	1955	2083	2211	2339	2467	2595

Table D. Pelco Unit Address *(Continued)*

PELCO UNIT ADDRESS	TXB-B ADDRESS									
	11	**12**	**13**	**14**	**15**	**16**	**17**	**18**	**19**	**20**
36	1444	1572	1700	1828	1956	2084	2212	2340	2468	2596
37	1445	1573	1701	1829	1957	2085	2213	2341	2469	2597
38	1446	1574	1702	1830	1958	2086	2214	2342	2470	2598
39	1447	1575	1703	1831	1959	2087	2215	2343	2471	2599
40	1448	1576	1704	1832	1960	2088	2216	2344	2472	2600
41	1449	1577	1705	1833	1961	2089	2217	2345	2473	2601
42	1450	1578	1706	1834	1962	2090	2218	2346	2474	2602
43	1451	1579	1707	1835	1963	2091	2219	2347	2475	2603
44	1452	1580	1708	1836	1964	2092	2220	2348	2476	2604
45	1453	1581	1709	1837	1965	2093	2221	2349	2477	2605
46	1454	1582	1710	1838	1966	2094	2222	2350	2478	2606
47	1455	1583	1711	1839	1967	2095	2223	2351	2479	2607
48	1456	1584	1712	1840	1968	2096	2224	2352	2480	2608
49	1457	1585	1713	1841	1969	2097	2225	2353	2481	2609
50	1458	1586	1714	1842	1970	2098	2226	2354	2482	2610
51	1459	1587	1715	1843	1971	2099	2227	2355	2483	2611
52	1460	1588	1716	1844	1972	2100	2228	2356	2484	2612
53	1461	1589	1717	1845	1973	2101	2229	2357	2485	2613
54	1462	1590	1718	1846	1974	2102	2230	2358	2486	2614
55	1463	1591	1719	1847	1975	2103	2231	2359	2487	2615
56	1464	1592	1720	1848	1976	2104	2232	2360	2488	2616
57	1465	1593	1721	1849	1977	2105	2233	2361	2489	2617
58	1466	1594	1722	1850	1978	2106	2234	2362	2490	2618
59	1467	1595	1723	1851	1979	2107	2235	2363	2491	2619
60	1468	1596	1724	1852	1980	2108	2236	2364	2492	2620
61	1469	1597	1725	1853	1981	2109	2237	2365	2493	2621
62	1470	1598	1726	1854	1982	2110	2238	2366	2494	2622
63	1471	1599	1727	1855	1983	2111	2239	2367	2495	2623
64	1472	1600	1728	1856	1984	2112	2240	2368	2496	2624
65	1473	1601	1729	1857	1985	2113	2241	2369	2497	2625
66	1474	1602	1730	1858	1986	2114	2242	2370	2498	2626
67	1475	1603	1731	1859	1987	2115	2243	2371	2499	2627
68	1476	1604	1732	1860	1988	2116	2244	2372	2500	2628
69	1477	1605	1733	1861	1989	2117	2245	2373	2501	2629
70	1478	1606	1734	1862	1990	2118	2246	2374	2502	2630

Table D. Pelco Unit Address *(Continued)*

PELCO UNIT ADDRESS	TXB-B ADDRESS									
	11	**12**	**13**	**14**	**15**	**16**	**17**	**18**	**19**	**20**
71	1479	1607	1735	1863	1991	2119	2247	2375	2503	2631
72	1480	1608	1736	1864	1992	2120	2248	2376	2504	2632
73	1481	1609	1737	1865	1993	2121	2249	2377	2505	2633
74	1482	1610	1738	1866	1994	2122	2250	2378	2506	2634
75	1483	1611	1739	1867	1995	2123	2251	2379	2507	2635
76	1484	1612	1740	1868	1996	2124	2252	2380	2508	2636
77	1485	1613	1741	1869	1997	2125	2253	2381	2509	2637
78	1486	1614	1742	1870	1998	2126	2254	2382	2510	2638
79	1487	1615	1743	1871	1999	2127	2255	2383	2511	2639
80	1488	1616	1744	1872	2000	2128	2256	2384	2512	2640
81	1489	1617	1745	1873	2001	2129	2257	2385	2513	2641
82	1490	1618	1746	1874	2002	2130	2258	2386	2514	2642
83	1491	1619	1747	1875	2003	2131	2259	2387	2515	2643
84	1492	1620	1748	1876	2004	2132	2260	2388	2516	2644
85	1493	1621	1749	1877	2005	2133	2261	2389	2517	2645
86	1494	1622	1750	1878	2006	2134	2262	2390	2518	2646
87	1495	1623	1751	1879	2007	2135	2263	2391	2519	2647
88	1496	1624	1752	1880	2008	2136	2264	2392	2520	2648
89	1497	1625	1753	1881	2009	2137	2265	2393	2521	2649
90	1498	1626	1754	1882	2010	2138	2266	2394	2522	2650
91	1499	1627	1755	1883	2011	2139	2267	2395	2523	2651
92	1500	1628	1756	1884	2012	2140	2268	2396	2524	2652
93	1501	1629	1757	1885	2013	2141	2269	2397	2525	2653
94	1502	1630	1758	1886	2014	2142	2270	2398	2526	2654
95	1503	1631	1759	1887	2015	2143	2271	2399	2527	2655
96	1504	1632	1760	1888	2016	2144	2272	2400	2528	2656
97	1505	1633	1761	1889	2017	2145	2273	2401	2529	2657
98	1506	1634	1762	1890	2018	2146	2274	2402	2530	2658
99	1507	1635	1763	1891	2019	2147	2275	2403	2531	2659
100	1508	1636	1764	1892	2020	2148	2276	2404	2532	2660
101	1509	1637	1765	1893	2021	2149	2277	2405	2533	2661
102	1510	1638	1766	1894	2022	2150	2278	2406	2534	2662
103	1511	1639	1767	1895	2023	2151	2279	2407	2535	2663
104	1512	1640	1768	1896	2024	2152	2280	2408	2536	2664
105	1513	1641	1769	1897	2025	2153	2281	2409	2537	2665

Table D. Pelco Unit Address *(Continued)*

		TXB-B ADDRESS									
		11	**12**	**13**	**14**	**15**	**16**	**17**	**18**	**19**	**20**
PELCO UNIT ADDRESS	**106**	1514	1642	1770	1898	2026	2154	2282	2410	2538	2666
	107	1515	1643	1771	1899	2027	2155	2283	2411	2539	2667
	108	1516	1644	1772	1900	2028	2156	2284	2412	2540	2668
	109	1517	1645	1773	1901	2029	2157	2285	2413	2541	2669
	110	1518	1646	1774	1902	2030	2158	2286	2414	2542	2670
	111	1519	1647	1775	1903	2031	2159	2287	2415	2543	2671
	112	1520	1648	1776	1904	2032	2160	2288	2416	2544	2672
	113	1521	1649	1777	1905	2033	2161	2289	2417	2545	2673
	114	1522	1650	1778	1906	2034	2162	2290	2418	2546	2674
	115	1523	1651	1779	1907	2035	2163	2291	2419	2547	2675
	116	1524	1652	1780	1908	2036	2164	2292	2420	2548	2676
	117	1525	1653	1781	1909	2037	2165	2293	2421	2549	2677
	118	1526	1654	1782	1910	2038	2166	2294	2422	2550	2678
	119	1527	1655	1783	1911	2039	2167	2295	2423	2551	2679
	120	1528	1656	1784	1912	2040	2168	2296	2424	2552	2680
	121	1529	1657	1785	1913	2041	2169	2297	2425	2553	2681
	122	1530	1658	1786	1914	2042	2170	2298	2426	2554	2682
	123	1531	1659	1787	1915	2043	2171	2299	2427	2555	2683
	124	1532	1660	1788	1916	2044	2172	2300	2428	2556	2684
	125	1533	1661	1789	1917	2045	2173	2301	2429	2557	2685
	126	1534	1662	1790	1918	2046	2174	2302	2430	2558	2686
	127	1535	1663	1791	1919	2047	2175	2303	2431	2559	2687

Table D. Pelco Unit Address *(Continued)*

PELCO UNIT ADDRESS	TXB-B ADDRESS									
	21	**22**	**23**	**24**	**25**	**26**	**27**	**28**	**29**	**30**
1	2689	2817	2945	3073	3201	3329	3457	3585	3713	3841
2	2690	2818	2946	3074	3202	3330	3458	3586	3714	3842
3	2691	2819	2947	3075	3203	3331	3459	3587	3715	3843
4	2692	2820	2948	3076	3204	3332	3460	3588	3716	3844
5	2693	2821	2949	3077	3205	3333	3461	3589	3717	3845
6	2694	2822	2950	3078	3206	3334	3462	3590	3718	3846
7	2695	2823	2951	3079	3207	3335	3463	3591	3719	3847
8	2696	2824	2952	3080	3208	3336	3464	3592	3720	3848
9	2697	2825	2953	3081	3209	3337	3465	3593	3721	3849
10	2698	2826	2954	3082	3210	3338	3466	3594	3722	3850
11	2699	2827	2955	3083	3211	3339	3467	3595	3723	3851
12	2700	2828	2956	3084	3212	3340	3468	3596	3724	3852
13	2701	2829	2957	3085	3213	3341	3469	3597	3725	3853
14	2702	2830	2958	3086	3214	3342	3470	3598	3726	3854
15	2703	2831	2959	3087	3215	3343	3471	3599	3727	3855
16	2704	2832	2960	3088	3216	3344	3472	3600	3728	3856
17	2705	2833	2961	3089	3217	3345	3473	3601	3729	3857
18	2706	2834	2962	3090	3218	3346	3474	3602	3730	3858
19	2707	2835	2963	3091	3219	3347	3475	3603	3731	3859
20	2708	2836	2964	3092	3220	3348	3476	3604	3732	3860
21	2709	2837	2965	3093	3221	3349	3477	3605	3733	3861
22	2710	2838	2966	3094	3222	3350	3478	3606	3734	3862
23	2711	2839	2967	3095	3223	3351	3479	3607	3735	3863
24	2712	2840	2968	3096	3224	3352	3480	3608	3736	3864
25	2713	2841	2969	3097	3225	3353	3481	3609	3737	3865
26	2714	2842	2970	3098	3226	3354	3482	3610	3738	3866
27	2715	2843	2971	3099	3227	3355	3483	3611	3739	3867
28	2716	2844	2972	3100	3228	3356	3484	3612	3740	3868
29	2717	2845	2973	3101	3229	3357	3485	3613	3741	3869
30	2718	2846	2974	3102	3230	3358	3486	3614	3742	3870
31	2719	2847	2975	3103	3231	3359	3487	3615	3743	3871
32	2720	2848	2976	3104	3232	3360	3488	3616	3744	3872
33	2721	2849	2977	3105	3233	3361	3489	3617	3745	3873
34	2722	2850	2978	3106	3234	3362	3490	3618	3746	3874
35	2723	2851	2979	3107	3235	3363	3491	3619	3747	3875

Table D. Pelco Unit Address *(Continued)*

		TXB-B ADDRESS									
		21	**22**	**23**	**24**	**25**	**26**	**27**	**28**	**29**	**30**
PELCO UNIT ADDRESS	**36**	2724	2852	2980	3108	3236	3364	3492	3620	3748	3876
	37	2725	2853	2981	3109	3237	3365	3493	3621	3749	3877
	38	2726	2854	2982	3110	3238	3366	3494	3622	3750	3878
	39	2727	2855	2983	3111	3239	3367	3495	3623	3751	3879
	40	2728	2856	2984	3112	3240	3368	3496	3624	3752	3880
	41	2729	2857	2985	3113	3241	3369	3497	3625	3753	3881
	42	2730	2858	2986	3114	3242	3370	3498	3626	3754	3882
	43	2731	2859	2987	3115	3243	3371	3499	3627	3755	3883
	44	2732	2860	2988	3116	3244	3372	3500	3628	3756	3884
	45	2733	2861	2989	3117	3245	3373	3501	3629	3757	3885
	46	2734	2862	2990	3118	3246	3374	3502	3630	3758	3886
	47	2735	2863	2991	3119	3247	3375	3503	3631	3759	3887
	48	2736	2864	2992	3120	3248	3376	3504	3632	3760	3888
	49	2737	2865	2993	3121	3249	3377	3505	3633	3761	3889
	50	2738	2866	2994	3122	3250	3378	3506	3634	3762	3890
	51	2739	2867	2995	3123	3251	3379	3507	3635	3763	3891
	52	2740	2868	2996	3124	3252	3380	3508	3636	3764	3892
	53	2741	2869	2997	3125	3253	3381	3509	3637	3765	3893
	54	2742	2870	2998	3126	3254	3382	3510	3638	3766	3894
	55	2743	2871	2999	3127	3255	3383	3511	3639	3767	3895
	56	2744	2872	3000	3128	3256	3384	3512	3640	3768	3896
	57	2745	2873	3001	3129	3257	3385	3513	3641	3769	3897
	58	2746	2874	3002	3130	3258	3386	3514	3642	3770	3898
	59	2747	2875	3003	3131	3259	3387	3515	3643	3771	3899
	60	2748	2876	3004	3132	3260	3388	3516	3644	3772	3900
	61	2749	2877	3005	3133	3261	3389	3517	3645	3773	3901
	62	2750	2878	3006	3134	3262	3390	3518	3646	3774	3902
	63	2751	2879	3007	3135	3263	3391	3519	3647	3775	3903
	64	2752	2880	3008	3136	3264	3392	3520	3648	3776	3904
	65	2753	2881	3009	3137	3265	3393	3521	3649	3777	3905
	66	2754	2882	3010	3138	3266	3394	3522	3650	3778	3906
	67	2755	2883	3011	3139	3267	3395	3523	3651	3779	3907
	68	2756	2884	3012	3140	3268	3396	3524	3652	3780	3908
	69	2757	2885	3013	3141	3269	3397	3525	3653	3781	3909
	70	2758	2886	3014	3142	3270	3398	3526	3654	3782	3910

Table D. Pelco Unit Address *(Continued)*

		TXB-B ADDRESS									
		21	**22**	**23**	**24**	**25**	**26**	**27**	**28**	**29**	**30**
PELCO UNIT ADDRESS	**71**	2759	2887	3015	3143	3271	3399	3527	3655	3783	3911
	72	2760	2888	3016	3144	3272	3400	3528	3656	3784	3912
	73	2761	2889	3017	3145	3273	3401	3529	3657	3785	3913
	74	2762	2890	3018	3146	3274	3402	3530	3658	3786	3914
	75	2763	2891	3019	3147	3275	3403	3531	3659	3787	3915
	76	2764	2892	3020	3148	3276	3404	3532	3660	3788	3916
	77	2765	2893	3021	3149	3277	3405	3533	3661	3789	3917
	78	2766	2894	3022	3150	3278	3406	3534	3662	3790	3918
	79	2767	2895	3023	3151	3279	3407	3535	3663	3791	3919
	80	2768	2896	3024	3152	3280	3408	3536	3664	3792	3920
	81	2769	2897	3025	3153	3281	3409	3537	3665	3793	3921
	82	2770	2898	3026	3154	3282	3410	3538	3666	3794	3922
	83	2771	2899	3027	3155	3283	3411	3539	3667	3795	3923
	84	2772	2900	3028	3156	3284	3412	3540	3668	3796	3924
	85	2773	2901	3029	3157	3285	3413	3541	3669	3797	3925
	86	2774	2902	3030	3158	3286	3414	3542	3670	3798	3926
	87	2775	2903	3031	3159	3287	3415	3543	3671	3799	3927
	88	2776	2904	3032	3160	3288	3416	3544	3672	3800	3928
	89	2777	2905	3033	3161	3289	3417	3545	3673	3801	3929
	90	2778	2906	3034	3162	3290	3418	3546	3674	3802	3930
	91	2779	2907	3035	3163	3291	3419	3547	3675	3803	3931
	92	2780	2908	3036	3164	3292	3420	3548	3676	3804	3932
	93	2781	2909	3037	3165	3293	3421	3549	3677	3805	3933
	94	2782	2910	3038	3166	3294	3422	3550	3678	3806	3934
	95	2783	2911	3039	3167	3295	3423	3551	3679	3807	3935
	96	2784	2912	3040	3168	3296	3424	3552	3680	3808	3936
	97	2785	2913	3041	3169	3297	3425	3553	3681	3809	3937
	98	2786	2914	3042	3170	3298	3426	3554	3682	3810	3938
	99	2787	2915	3043	3171	3299	3427	3555	3683	3811	3939
	100	2788	2916	3044	3172	3300	3428	3556	3684	3812	3940
	101	2789	2917	3045	3173	3301	3429	3557	3685	3813	3941
	102	2790	2918	3046	3174	3302	3430	3558	3686	3814	3942
	103	2791	2919	3047	3175	3303	3431	3559	3687	3815	3943
	104	2792	2920	3048	3176	3304	3432	3560	3688	3816	3944
	105	2793	2921	3049	3177	3305	3433	3561	3689	3817	3945

Table D. Pelco Unit Address *(Continued)*

		TXB-B ADDRESS									
		21	**22**	**23**	**24**	**25**	**26**	**27**	**28**	**29**	**30**
PELCO UNIT ADDRESS	**106**	2794	2922	3050	3178	3306	3434	3562	3690	3818	3946
	107	2795	2923	3051	3179	3307	3435	3563	3691	3819	3947
	108	2796	2924	3052	3180	3308	3436	3564	3692	3820	3948
	109	2797	2925	3053	3181	3309	3437	3565	3693	3821	3949
	110	2798	2926	3054	3182	3310	3438	3566	3694	3822	3950
	111	2799	2927	3055	3183	3311	3439	3567	3695	3823	3951
	112	2800	2928	3056	3184	3312	3440	3568	3696	3824	3952
	113	2801	2929	3057	3185	3313	3441	3569	3697	3825	3953
	114	2802	2930	3058	3186	3314	3442	3570	3698	3826	3954
	115	2803	2931	3059	3187	3315	3443	3571	3699	3827	3955
	116	2804	2932	3060	3188	3316	3444	3572	3700	3828	3956
	117	2805	2933	3061	3189	3317	3445	3573	3701	3829	3957
	118	2806	2934	3062	3190	3318	3446	3574	3702	3830	3958
	119	2807	2935	3063	3191	3319	3447	3575	3703	3831	3959
	120	2808	2936	3064	3192	3320	3448	3576	3704	3832	3960
	121	2809	2937	3065	3193	3321	3449	3577	3705	3833	3961
	122	2810	2938	3066	3194	3322	3450	3578	3706	3834	3962
	123	2811	2939	3067	3195	3323	3451	3579	3707	3835	3963
	124	2812	2940	3068	3196	3324	3452	3580	3708	3836	3964
	125	2813	2941	3069	3197	3325	3453	3581	3709	3837	3965
	126	2814	2942	3070	3198	3326	3454	3582	3710	3838	3966
	127	2815	2943	3071	3199	3327	3455	3583	3711	3839	3967

Table D. Pelco Unit Address *(Continued)*

PELCO UNIT ADDRESS	TXB-B ADDRESS									
	31	**32**	**33**	**34**	**35**	**36**	**37**	**38**	**39**	**40**
1	3969	4097	4225	4353	4481	4609	4737	4865	4993	5121
2	3970	4098	4226	4354	4482	4610	4738	4866	4994	5122
3	3971	4099	4227	4355	4483	4611	4739	4867	4995	5123
4	3972	4100	4228	4356	4484	4612	4740	4868	4996	5124
5	3973	4101	4229	4357	4485	4613	4741	4869	4997	5125
6	3974	4102	4230	4358	4486	4614	4742	4870	4998	5126
7	3975	4103	4231	4359	4487	4615	4743	4871	4999	5127
8	3976	4104	4232	4360	4488	4616	4744	4872	5000	5128
9	3977	4105	4233	4361	4489	4617	4745	4873	5001	5129
10	3978	4106	4234	4362	4490	4618	4746	4874	5002	5130
11	3979	4107	4235	4363	4491	4619	4747	4875	5003	5131
12	3980	4108	4236	4364	4492	4620	4748	4876	5004	5132
13	3981	4109	4237	4365	4493	4621	4749	4877	5005	5133
14	3982	4110	4238	4366	4494	4622	4750	4878	5006	5134
15	3983	4111	4239	4367	4495	4623	4751	4879	5007	5135
16	3984	4112	4240	4368	4496	4624	4752	4880	5008	5136
17	3985	4113	4241	4369	4497	4625	4753	4881	5009	5137
18	3986	4114	4242	4370	4498	4626	4754	4882	5010	5138
19	3987	4115	4243	4371	4499	4627	4755	4883	5011	5139
20	3988	4116	4244	4372	4500	4628	4756	4884	5012	5140
21	3989	4117	4245	4373	4501	4629	4757	4885	5013	5141
22	3990	4118	4246	4374	4502	4630	4758	4886	5014	5142
23	3991	4119	4247	4375	4503	4631	4759	4887	5015	5143
24	3992	4120	4248	4376	4504	4632	4760	4888	5016	5144
25	3993	4121	4249	4377	4505	4633	4761	4889	5017	5145
26	3994	4122	4250	4378	4506	4634	4762	4890	5018	5146
27	3995	4123	4251	4379	4507	4635	4763	4891	5019	5147
28	3996	4124	4252	4380	4508	4636	4764	4892	5020	5148
29	3997	4125	4253	4381	4509	4637	4765	4893	5021	5149
30	3998	4126	4254	4382	4510	4638	4766	4894	5022	5150
31	3999	4127	4255	4383	4511	4639	4767	4895	5023	5151
32	4000	4128	4256	4384	4512	4640	4768	4896	5024	5152
33	4001	4129	4257	4385	4513	4641	4769	4897	5025	5153
34	4002	4130	4258	4386	4514	4642	4770	4898	5026	5154
35	4003	4131	4259	4387	4515	4643	4771	4899	5027	5155

Table D. Pelco Unit Address *(Continued)*

PELCO UNIT ADDRESS	TXB-B ADDRESS									
	31	**32**	**33**	**34**	**35**	**36**	**37**	**38**	**39**	**40**
36	4004	4132	4260	4388	4516	4644	4772	4900	5028	5156
37	4005	4133	4261	4389	4517	4645	4773	4901	5029	5157
38	4006	4134	4262	4390	4518	4646	4774	4902	5030	5158
39	4007	4135	4263	4391	4519	4647	4775	4903	5031	5159
40	4008	4136	4264	4392	4520	4648	4776	4904	5032	5160
41	4009	4137	4265	4393	4521	4649	4777	4905	5033	5161
42	4010	4138	4266	4394	4522	4650	4778	4906	5034	5162
43	4011	4139	4267	4395	4523	4651	4779	4907	5035	5163
44	4012	4140	4268	4396	4524	4652	4780	4908	5036	5164
45	4013	4141	4269	4397	4525	4653	4781	4909	5037	5165
46	4014	4142	4270	4398	4526	4654	4782	4910	5038	5166
47	4015	4143	4271	4399	4527	4655	4783	4911	5039	5167
48	4016	4144	4272	4400	4528	4656	4784	4912	5040	5168
49	4017	4145	4273	4401	4529	4657	4785	4913	5041	5169
50	4018	4146	4274	4402	4530	4658	4786	4914	5042	5170
51	4019	4147	4275	4403	4531	4659	4787	4915	5043	5171
52	4020	4148	4276	4404	4532	4660	4788	4916	5044	5172
53	4021	4149	4277	4405	4533	4661	4789	4917	5045	5173
54	4022	4150	4278	4406	4534	4662	4790	4918	5046	5174
55	4023	4151	4279	4407	4535	4663	4791	4919	5047	5175
56	4024	4152	4280	4408	4536	4664	4792	4920	5048	5176
57	4025	4153	4281	4409	4537	4665	4793	4921	5049	5177
58	4026	4154	4282	4410	4538	4666	4794	4922	5050	5178
59	4027	4155	4283	4411	4539	4667	4795	4923	5051	5179
60	4028	4156	4284	4412	4540	4668	4796	4924	5052	5180
61	4029	4157	4285	4413	4541	4669	4797	4925	5053	5181
62	4030	4158	4286	4414	4542	4670	4798	4926	5054	5182
63	4031	4159	4287	4415	4543	4671	4799	4927	5055	5183
64	4032	4160	4288	4416	4544	4672	4800	4928	5056	5184
65	4033	4161	4289	4417	4545	4673	4801	4929	5057	5185
66	4034	4162	4290	4418	4546	4674	4802	4930	5058	5186
67	4035	4163	4291	4419	4547	4675	4803	4931	5059	5187
68	4036	4164	4292	4420	4548	4676	4804	4932	5060	5188
69	4037	4165	4293	4421	4549	4677	4805	4933	5061	5189
70	4038	4166	4294	4422	4550	4678	4806	4934	5062	5190

Table D. Pelco Unit Address *(Continued)*

PELCO UNIT ADDRESS	TXB-B ADDRESS									
	31	**32**	**33**	**34**	**35**	**36**	**37**	**38**	**39**	**40**
71	4039	4167	4295	4423	4551	4679	4807	4935	5063	5191
72	4040	4168	4296	4424	4552	4680	4808	4936	5064	5192
73	4041	4169	4297	4425	4553	4681	4809	4937	5065	5193
74	4042	4170	4298	4426	4554	4682	4810	4938	5066	5194
75	4043	4171	4299	4427	4555	4683	4811	4939	5067	5195
76	4044	4172	4300	4428	4556	4684	4812	4940	5068	5196
77	4045	4173	4301	4429	4557	4685	4813	4941	5069	5197
78	4046	4174	4302	4430	4558	4686	4814	4942	5070	5198
79	4047	4175	4303	4431	4559	4687	4815	4943	5071	5199
80	4048	4176	4304	4432	4560	4688	4816	4944	5072	5200
81	4049	4177	4305	4433	4561	4689	4817	4945	5073	5201
82	4050	4178	4306	4434	4562	4690	4818	4946	5074	5202
83	4051	4179	4307	4435	4563	4691	4819	4947	5075	5203
84	4052	4180	4308	4436	4564	4692	4820	4948	5076	5204
85	4053	4181	4309	4437	4565	4693	4821	4949	5077	5205
86	4054	4182	4310	4438	4566	4694	4822	4950	5078	5206
87	4055	4183	4311	4439	4567	4695	4823	4951	5079	5207
88	4056	4184	4312	4440	4568	4696	4824	4952	5080	5208
89	4057	4185	4313	4441	4569	4697	4825	4953	5081	5209
90	4058	4186	4314	4442	4570	4698	4826	4954	5082	5210
91	4059	4187	4315	4443	4571	4699	4827	4955	5083	5211
92	4060	4188	4316	4444	4572	4700	4828	4956	5084	5212
93	4061	4189	4317	4445	4573	4701	4829	4957	5085	5213
94	4062	4190	4318	4446	4574	4702	4830	4958	5086	5214
95	4063	4191	4319	4447	4575	4703	4831	4959	5087	5215
96	4064	4192	4320	4448	4576	4704	4832	4960	5088	5216
97	4065	4193	4321	4449	4577	4705	4833	4961	5089	5217
98	4066	4194	4322	4450	4578	4706	4834	4962	5090	5218
99	4067	4195	4323	4451	4579	4707	4835	4963	5091	5219
100	4068	4196	4324	4452	4580	4708	4836	4964	5092	5220
101	4069	4197	4325	4453	4581	4709	4837	4965	5093	5221
102	4070	4198	4326	4454	4582	4710	4838	4966	5094	5222
103	4071	4199	4327	4455	4583	4711	4839	4967	5095	5223
104	4072	4200	4328	4456	4584	4712	4840	4968	5096	5224
105	4073	4201	4329	4457	4585	4713	4841	4969	5097	5225

Table D. Pelco Unit Address *(Continued)*

		TXB-B ADDRESS									
		31	**32**	**33**	**34**	**35**	**36**	**37**	**38**	**39**	**40**
PELCO UNIT ADDRESS	**106**	4074	4202	4330	4458	4586	4714	4842	4970	5098	5226
	107	4075	4203	4331	4459	4587	4715	4843	4971	5099	5227
	108	4076	4204	4332	4460	4588	4716	4844	4972	5100	5228
	109	4077	4205	4333	4461	4589	4717	4845	4973	5101	5229
	110	4078	4206	4334	4462	4590	4718	4846	4974	5102	5230
	111	4079	4207	4335	4463	4591	4719	4847	4975	5103	5231
	112	4080	4208	4336	4464	4592	4720	4848	4976	5104	5232
	113	4081	4209	4337	4465	4593	4721	4849	4977	5105	5233
	114	4082	4210	4338	4466	4594	4722	4850	4978	5106	5234
	115	4083	4211	4339	4467	4595	4723	4851	4979	5107	5235
	116	4084	4212	4340	4468	4596	4724	4852	4980	5108	5236
	117	4085	4213	4341	4469	4597	4725	4853	4981	5109	5237
	118	4086	4214	4342	4470	4598	4726	4854	4982	5110	5238
	119	4087	4215	4343	4471	4599	4727	4855	4983	5111	5239
	120	4088	4216	4344	4472	4600	4728	4856	4984	5112	5240
	121	4089	4217	4345	4473	4601	4729	4857	4985	5113	5241
	122	4090	4218	4346	4474	4602	4730	4858	4986	5114	5242
	123	4091	4219	4347	4475	4603	4731	4859	4987	5115	5243
	124	4092	4220	4348	4476	4604	4732	4860	4988	5116	5244
	125	4093	4221	4349	4477	4605	4733	4861	4989	5117	5245
	126	4094	4222	4350	4478	4606	4734	4862	4990	5118	5246
	127	4095	4223	4351	4479	4607	4735	4863	4991	5119	5247

The TXB-B translator board uses the same address switch position settings as the Pelco unit.

Table E. Address Switch Settings

TXB-B ADDRESS AND PELCO UNIT ADDRESS	SWITCH SETTINGS							
	1	**2**	**3**	**4**	**5**	**6**	**7**	**8**
0	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF
1	ON	OFF	OFF	OFF	OFF	OFF	OFF	OFF
2	OFF	ON	OFF	OFF	OFF	OFF	OFF	OFF
3	ON	ON	OFF	OFF	OFF	OFF	OFF	OFF
4	OFF	OFF	ON	OFF	OFF	OFF	OFF	OFF
5	ON	OFF	ON	OFF	OFF	OFF	OFF	OFF
6	OFF	ON	ON	OFF	OFF	OFF	OFF	OFF
7	ON	ON	ON	OFF	OFF	OFF	OFF	OFF
8	OFF	OFF	OFF	ON	OFF	OFF	OFF	OFF
9	ON	OFF	OFF	ON	OFF	OFF	OFF	OFF
10	OFF	ON	OFF	ON	OFF	OFF	OFF	OFF
11	ON	ON	OFF	ON	OFF	OFF	OFF	OFF
12	OFF	OFF	ON	ON	OFF	OFF	OFF	OFF
13	ON	OFF	ON	ON	OFF	OFF	OFF	OFF
14	OFF	ON	ON	ON	OFF	OFF	OFF	OFF
15	ON	ON	ON	ON	OFF	OFF	OFF	OFF
16	OFF	OFF	OFF	OFF	ON	OFF	OFF	OFF
17	ON	OFF	OFF	OFF	ON	OFF	OFF	OFF
18	OFF	ON	OFF	OFF	ON	OFF	OFF	OFF
19	ON	ON	OFF	OFF	ON	OFF	OFF	OFF
20	OFF	OFF	ON	OFF	ON	OFF	OFF	OFF
21	ON	OFF	ON	OFF	ON	OFF	OFF	OFF
22	OFF	ON	ON	OFF	ON	OFF	OFF	OFF
23	ON	ON	ON	OFF	ON	OFF	OFF	OFF
24	OFF	OFF	OFF	ON	ON	OFF	OFF	OFF
25	ON	OFF	OFF	ON	ON	OFF	OFF	OFF
26	OFF	ON	OFF	ON	ON	OFF	OFF	OFF
27	ON	ON	OFF	ON	ON	OFF	OFF	OFF
28	OFF	OFF	ON	ON	ON	OFF	OFF	OFF
29	ON	OFF	ON	ON	ON	OFF	OFF	OFF
30	OFF	ON	ON	ON	ON	OFF	OFF	OFF
31	ON	ON	ON	ON	ON	OFF	OFF	OFF
32	OFF	OFF	OFF	OFF	OFF	ON	OFF	OFF
33	ON	OFF	OFF	OFF	OFF	ON	OFF	OFF
34	OFF	ON	OFF	OFF	OFF	ON	OFF	OFF

Table E. Address Switch Settings *(Continued)*

TXB-B ADDRESS AND PELCO UNIT ADDRESS	SWITCH SETTINGS								
		1	2	3	4	5	6	7	8
	35	ON	ON	OFF	OFF	OFF	ON	OFF	OFF
	36	OFF	OFF	ON	OFF	OFF	ON	OFF	OFF
	37	ON	OFF	ON	OFF	OFF	ON	OFF	OFF
	38	ON	OFF	ON	OFF	OFF	ON	OFF	OFF
	39	OFF	ON	ON	OFF	OFF	ON	OFF	OFF
	40	OFF	OFF	OFF	ON	OFF	ON	OFF	OFF
	41	ON	OFF	OFF	ON	OFF	ON	OFF	OFF
	42	OFF	ON	OFF	ON	OFF	ON	OFF	OFF
	43	ON	ON	OFF	ON	OFF	ON	OFF	OFF
	44	OFF	OFF	ON	ON	OFF	ON	OFF	OFF
	45	ON	OFF	ON	ON	OFF	ON	OFF	OFF
	46	OFF	ON	ON	ON	OFF	ON	OFF	OFF
	47	ON	ON	ON	ON	OFF	ON	OFF	OFF
	48	OFF	OFF	OFF	OFF	ON	ON	OFF	OFF
	49	ON	OFF	OFF	OFF	ON	ON	OFF	OFF
	50	OFF	ON	OFF	OFF	ON	ON	OFF	OFF
	51	ON	ON	OFF	OFF	ON	ON	OFF	OFF
	52	OFF	OFF	ON	OFF	ON	ON	OFF	OFF
	53	ON	OFF	ON	OFF	ON	ON	OFF	OFF
	54	OFF	ON	ON	OFF	ON	ON	OFF	OFF
	55	ON	ON	ON	OFF	ON	ON	OFF	OFF
	56	OFF	OFF	OFF	ON	ON	ON	OFF	OFF
	57	ON	OFF	OFF	ON	ON	ON	OFF	OFF
	58	OFF	ON	OFF	ON	ON	ON	OFF	OFF
	59	ON	ON	OFF	ON	ON	ON	OFF	OFF
	60	OFF	OFF	ON	ON	ON	ON	OFF	OFF
	61	ON	OFF	ON	ON	ON	ON	OFF	OFF
	62	OFF	ON	ON	ON	ON	ON	OFF	OFF
	63	ON	ON	ON	ON	ON	ON	OFF	OFF
	64	OFF	OFF	OFF	OFF	OFF	OFF	ON	OFF
	65	ON	OFF	OFF	OFF	OFF	OFF	ON	OFF
	66	OFF	ON	OFF	OFF	OFF	OFF	ON	OFF
	67	ON	ON	OFF	OFF	OFF	OFF	ON	OFF
	68	OFF	OFF	ON	OFF	OFF	OFF	ON	OFF
	69	ON	OFF	ON	OFF	OFF	OFF	ON	OFF

Table E. Address Switch Settings *(Continued)*

TXB-B ADDRESS AND PELCO UNIT ADDRESS	SWITCH SETTINGS							
	1	**2**	**3**	**4**	**5**	**6**	**7**	**8**
70	OFF	ON	ON	OFF	OFF	OFF	ON	OFF
71	ON	ON	ON	OFF	OFF	OFF	ON	OFF
72	OFF	OFF	OFF	ON	OFF	OFF	ON	OFF
73	ON	OFF	OFF	ON	OFF	OFF	ON	OFF
74	OFF	ON	OFF	ON	OFF	OFF	ON	OFF
75	ON	ON	OFF	ON	OFF	OFF	ON	OFF
76	OFF	OFF	ON	ON	OFF	OFF	ON	OFF
77	ON	OFF	ON	ON	OFF	OFF	ON	OFF
78	OFF	ON	ON	ON	OFF	OFF	ON	OFF
79	ON	ON	ON	ON	OFF	OFF	ON	OFF
80	OFF	OFF	OFF	OFF	ON	OFF	ON	OFF
81	ON	OFF	OFF	OFF	ON	OFF	ON	OFF
82	OFF	ON	OFF	OFF	ON	OFF	ON	OFF
83	ON	ON	OFF	OFF	ON	OFF	ON	OFF
84	OFF	OFF	ON	OFF	ON	OFF	ON	OFF
85	ON	OFF	ON	OFF	ON	OFF	ON	OFF
86	OFF	ON	ON	OFF	ON	OFF	ON	OFF
87	ON	ON	ON	OFF	ON	OFF	ON	OFF
88	OFF	OFF	OFF	ON	ON	OFF	ON	OFF
89	ON	OFF	OFF	ON	ON	OFF	ON	OFF
90	OFF	ON	OFF	ON	ON	OFF	ON	OFF
91	ON	ON	OFF	ON	ON	OFF	ON	OFF
92	OFF	OFF	ON	ON	ON	OFF	ON	OFF
93	ON	OFF	ON	ON	ON	OFF	ON	OFF
94	OFF	ON	ON	ON	ON	OFF	ON	OFF
95	ON	ON	ON	ON	ON	OFF	ON	OFF
96	OFF	OFF	OFF	OFF	OFF	ON	ON	OFF
97	ON	OFF	OFF	OFF	OFF	ON	ON	OFF
98	OFF	ON	OFF	OFF	OFF	ON	ON	OFF
99	ON	ON	OFF	OFF	OFF	ON	ON	OFF
100	OFF	OFF	ON	OFF	OFF	ON	ON	OFF
101	ON	OFF	ON	OFF	OFF	ON	ON	OFF
102	OFF	ON	ON	OFF	OFF	ON	ON	OFF
103	ON	ON	ON	OFF	OFF	ON	ON	OFF
104	OFF	OFF	OFF	ON	OFF	ON	ON	OFF

Table E. Address Switch Settings *(Continued)*

TXB-B ADDRESS AND PELCO UNIT ADDRESS	SWITCH SETTINGS								
		1	2	3	4	5	6	7	8
	105	ON	OFF	OFF	ON	OFF	ON	ON	OFF
	106	OFF	ON	OFF	ON	OFF	ON	ON	OFF
	107	ON	ON	OFF	ON	OFF	ON	ON	OFF
	108	OFF	OFF	ON	ON	OFF	ON	ON	OFF
	109	ON	OFF	ON	ON	OFF	ON	ON	OFF
	110	OFF	ON	ON	ON	OFF	ON	ON	OFF
	111	ON	ON	ON	ON	OFF	ON	ON	OFF
	112	OFF	OFF	OFF	OFF	ON	ON	ON	OFF
	113	ON	OFF	OFF	OFF	ON	ON	ON	OFF
	114	OFF	ON	OFF	OFF	ON	ON	ON	OFF
	115	ON	ON	OFF	OFF	ON	ON	ON	OFF
	116	OFF	OFF	ON	OFF	ON	ON	ON	OFF
	117	ON	OFF	ON	OFF	ON	ON	ON	OFF
	118	OFF	ON	ON	OFF	ON	ON	ON	OFF
	119	ON	ON	ON	OFF	ON	ON	ON	OFF
	120	OFF	OFF	OFF	ON	ON	ON	ON	OFF
	121	ON	OFF	OFF	ON	ON	ON	ON	OFF
	122	OFF	ON	OFF	ON	ON	ON	ON	OFF
	123	ON	ON	OFF	ON	ON	ON	ON	OFF
	124	OFF	OFF	ON	ON	ON	ON	ON	OFF
	125	ON	OFF	ON	ON	ON	ON	ON	OFF
	126	OFF	ON	ON	ON	ON	ON	ON	OFF
	127	ON	ON	ON	ON	ON	ON	ON	OFF

REVISION HISTORY

Manual #	Date	Comments
C2431M	2/01	Original version.
C2431M-A	3/01	Layout of board revised.
C2431M-B	3/01	Revised illustrations.
C2431M-C	5/01	Added switch settings for TXB-B addressing.
C2431M-D	11/01	Revised description section and Figure 2.
C2431M-E	10/02	Revised manual for Spectra III SE and Spectra III systems.
C2431M-F	5/03	Added instructions for zone programming.
C2431M-G	3/05	Added installation instructions for ExSite Integrated Positioning System.
C2431M-H	5/06	Added Spectra Mini dome. Removed Spectra II. Updated graphics and procedures.
C2431M-I	4/07	Added Green Label, cross references, and Spectra IV. Added *Important Safety Instructions*.

PRODUCT WARRANTY AND RETURN INFORMATION

WARRANTY

Pelco will repair or replace, without charge, any merchandise proved defective in material or workmanship **for a period of one year** after the date of shipment.

Exceptions to this warranty are as noted below:

- Five years on fiber optic products and TW3000 Series unshielded twisted pair transmission products.
- Three years on Spectra® IV products.
- Three years on Genex® Series products (multiplexers, server, and keyboard).
- Three years on Camclosure® and fixed camera models, except the CC3701H-2, CC3701H-2X, CC3751H-2, CC3651H-2X, MC3651H-2, and MC3651H-2X camera models, which have a five-year warranty.
- Three years on PMCL200/300/400 Series LCD monitors.
- Two years on standard motorized or fixed focal length lenses.
- Two years on Legacy®, CM6700/CM6800/CM9700 Series matrix, and DF5/DF8 Series fixed dome products.
- Two years on Spectra III™, Esprit®, ExSite®, and PS20 scanners, including when used in continuous motion applications.
- Two years on Esprit and WW5700 Series window wiper (excluding wiper blades).
- Two years (except lamp and color wheel) on Digital Light Processing (DLP®) displays. The lamp and color wheel will be covered for a period of 90 days. The air filter is not covered under warranty.
- Eighteen months on DX Series digital video recorders, NVR300 Series network video recorders, and Endura™ Series distributed network-based video products.
- One year (except video heads) on video cassette recorders (VCRs). Video heads will be covered for a period of six months.
- Six months on all pan and tilts, scanners or preset lenses used in continuous motion applications (that is, preset scan, tour and auto scan modes).

Pelco will warrant all replacement parts and repairs for 90 days from the date of Pelco shipment. All goods requiring warranty repair shall be sent freight prepaid to Pelco, Clovis, California. Repairs made necessary by reason of misuse, alteration, normal wear, or accident are not covered under this warranty.

Pelco assumes no risk and shall be subject to no liability for damages or loss resulting from the specific use or application made of the Products. Pelco's liability for any claim, whether based on breach of contract, negligence, infringement of any rights of any party or product liability, relating to the Products shall not exceed the price paid by the Dealer to Pelco for such Products. In no event will Pelco be liable for any special, incidental or consequential damages (including loss of use, loss of profit and claims of third parties) however caused, whether by the negligence of Pelco or otherwise.

The above warranty provides the Dealer with specific legal rights. The Dealer may also have additional rights, which are subject to variation from state to state.

If a warranty repair is required, the Dealer must contact Pelco at (800) 289-9100 or (559) 292-1981 to obtain a Repair Authorization number (RA), and provide the following information:

1. Model and serial number
2. Date of shipment, P.O. number, Sales Order number, or Pelco invoice number
3. Details of the defect or problem

If there is a dispute regarding the warranty of a product which does not fall under the warranty conditions stated above, please include a written explanation with the product when returned.

Method of return shipment shall be the same or equal to the method by which the item was received by Pelco.

RETURNS

In order to expedite parts returned to the factory for repair or credit, please call the factory at (800) 289-9100 or (559) 292-1981 to obtain an authorization number (CA number if returned for credit, and RA number if returned for repair).

All merchandise returned for credit may be subject to a 20% restocking and refurbishing charge.

Goods returned for repair or credit should be clearly identified with the assigned CA or RA number and freight should be prepaid. Ship to the appropriate address below.

If you are located within the continental U.S., Alaska, Hawaii or Puerto Rico, send goods to:

Service Department
Pelco
3500 Pelco Way
Clovis, CA 93612-5699

If you are located outside the continental U.S., Alaska, Hawaii or Puerto Rico and are instructed to return goods to the USA, you may do one of the following:

If the goods are to be sent by a COURIER SERVICE, send the goods to:

Pelco
3500 Pelco Way
Clovis, CA 93612-5699 USA

If the goods are to be sent by a FREIGHT FORWARDER, send the goods to:

Pelco c/o Expeditors
473 Eccles Avenue
South San Francisco, CA 94080 USA
Phone: 650-737-1700
Fax: 650-737-0933

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Worldwide Headquarters
3500 Pelco Way
Clovis, California 93612 USA

USA & Canada
Tel: 800/289-9100
Fax: 800/289-9150
International
Tel: 1-559/292-1981
Fax: 1-559/348-1120

www.pelco.com

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